



Yasushi NISHIHARA

Title: Phenanthro[1,2-b:8,7- β']dithiophene (PDT): Application to Organic Field-Effect Transistors (OFETs) and Organic Photovoltaics (OPVs)

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Yasushi Nishihara was born in Hiroshima, Japan in 1968. He earned a B.S. degree from Hiroshima University in 1992. He studied at the University of Notre Dame and University of Iowa, USA under the supervision of Professors Thomas P. Fehlner and Richard F Jordan, respectively. He received his Ph.D. (1997) from the Graduate University for Advanced Studies (SOKENDAI) under the supervision of Professor Tamotsu Takahashi. He became an Assistant Professor at the Tokyo Institute of Technology in 1996, working with Professors Tamejiro Hiyama and Kohtaro Osakada; he moved to Okayama University as an associate professor in 2004 and was promoted to full Professor in 2010. He was awarded the Chemical Society of Japan Presentation Award 2008 for Industries (2008), Incentive Award in Synthetic Organic Chemistry, Japan (2009), and Incentive Culture Award in Okayama Prefecture, Japan (2010). His current research interests are organic synthesis mediated and/or catalyzed by organometallic compounds and their application in functional materials such as organic transistors and solar cells.

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Education:

1997 Ph.D. Organic Chemistry, The Graduate University for Advanced Studies
1992 BS Inorganic Chemistry, Hiroshima University

Research and Professional Experience

<u>School</u>	<u>Position</u>	<u>Dates</u>	<u>Type of</u>
<u>Work</u>			

Tokyo Institute of Technology organomet. chem.	Assistant Professor	9/96-3/04	Org. &
Okayama University organomet. chem.	Associate Professor	3/04-3/10	Org. &
Okayama University organomet. chem.	Professor	4/10-present	Org. &
<u>others</u>			
University of Notre Dame	Research Associate Metallaborane chem.	2/93-3/94	
University of Iowa	Visiting Researcher Organomet chem.	9/95-12/95	
National Taiwan University	Visiting Assistant Professor Organomet chem.	5/09-7/09	

Research Interests

Organometallic Chemistry (Development of new synthetic reactions by transition metal catalysts and its application to functional material synthesis)

Awards and Honors

1996	Japan Society for the Promotion of Science (JSPS) Fellowship
2002	Nippon Shokubai Award in Synthetic Organic Chemistry, Japan
2007	Award for Educational Contribution, Faculty of Science, Okayama University
2007	Young Top Researcher, Okayama University
2008	Chemical Society of Japan Presentation Award 2008 for Industries
2009	Incentive Award in Synthetic Organic Chemistry, Japan
2010	Incentive Culture Award in Okayama Prefecture, Japan

Research Activities:

156 Original papers, 3 reviews, 1 Book (Editor), and 9 patents.